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Gait rehabilitation using music therapy and rhythmic auditory stimulation (RAS)

Bjorn Augustin

Umea and Gothenburg University School of Economics, Sweden

The presentation aims to exhibit new strategies for gait rehabilitation using a specific treadmill with integrated Music Therapy. With Rhythmic Auditory Stimulation and specifically created music cues can be given that recruit neurons and prepare muscles for activity. Clinical experience will be given from the first European installation at Stockholm Rehab Station in Sweden. The feedback from sessions with Stroke, Parkinson and Psycho dynamic conditions will be presented. Results and practical findings - what works and how effective is this treatment. After treatment activities - home use of Specific music for gait cues. The technology will be presented with information on hardware, software and characteristics of the specific music. What cues has what effect on the individual in treatment will be given.

Biography

Bjorn has completed his bachelor's degree at the age of 25 years from Umea University and simultaneously studied Business Law and Organisational Psychology at Gothenburg University. He has 38 years' experience from senior management positions in the Telecoms- and IT-sector. He is the founder and owner of Mobility Systems Scandinavia, which is the territory sole representative of Biodex, APDM, CIR Systems, BTT Medical and Biosensics since 2010. The company focus on selling, installing, training and servicing equipment for objective measurements of gait, balance and strength as well as equipment for the rehabilitation of said functional abilities.